

VASIL'YEV, V.M.

Allowance for the influence of temperature variations in the
instrument on astronomical observations. Astron.zhur. 32
no.3:292-301 My-Je '55. (MLRA 8:8)

1. Glavnaya astronomicheskaya observatoriya Akademii nauk
SSSR
(Astronomical instruments)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0

VASIL'YEV, V. M. (Joint Institute for Nuclear Research, Dubna, Russia)

"New Methods for Studying Temperature Dependence in Activatable Instabilities," report presented at the Conference of Application of Accelerational Instabilities to Construction of the Astronautical Reactor, Moscow, 1971 (ed. 1).

Sum. No. 1.47, 31 Aug 81

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0"

VASIL'YEV, V., kandidat fiziko-matematicheskikh nauk.

Problem of the effects of temperature on astronomical instruments.
Astron.tsir. no.166:18-20 Ja '56. (MIRA 9:7)
(Astronomical instruments)

VASILL'YEV, V.M.; DUSEV, I.I.

Determining curvature radii of interenveloping surfaces. Trudy
(MTRA 17:4)
NPI 149:53-70 '63.

VASIL'YEV, V.M.; MERKULOV, A.V.

New data on the tectonics of the Karabulak-Achaluki field.
Neftegaz. geol. i geofiz. no.7:19-21 '63. (MIRA 17:10)

1. Groznenskiy neftyanoy nauchno-issledovatel'skiy institut.

9.4230

9637

67851
SCV/142-2-5-6/19

AUTHOR: Zyuzin-Zinchenko, A.A., Lopukhin, V.M., Vasil'yev,
V.M.

21

TITLE: The Influence of the Shape of the Electrostatic Field
in an Electron Gun on the Noise Factor of a Traveling
Wave Tube

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika,
1959, Vol 2, Nr 5, pp 589 - 599 (USSR)

ABSTRACT: Calculation results show that the noise factor F in a
traveling wave tube depends on the shape of the elec-
trostatic field in the electron gun and that a dis-
turbance of this field close to the cathode has a
strong influence on the noise factor. The authors' task
was to calculate the variable components and noise
factors $q_1(x)$ and $q_2(x)$ and the noise factors F_1 and
 F_2 when varying the electrostatic field in the electron
gun $U(x)$ within wide ranges. The authors discuss charac-

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The Influence of the Shape of the Electrostatic Field in an Electron Gun on the Noise Factor of a Traveling Wave Tube

teristic integral curves of current and velocity fluctuations in the electron gun with different disturbances of the electrostatic field $W(x)$. Complete space charge conditions are assumed. Current and velocity fluctuations at the virtual cathode are considered as being plane, since only the basic wave is excited in the stream. The correlation of current and velocity fluctuations at the virtual cathode was taken into account in a similar manner as in S. Bloom's papers /Ref 9,15,7. The correlation of current and velocity fluctuations at the potential minimum were not considered. The problem was solved for a cylindrical electron stream (an infinite magnetic focussing field was assumed) in a one-velocity approximation. A total of 150 equations corresponding to different disturbing field in the electron gun of a traveling wave tube were integrated on an ATsVM-2⁷ high-speed electronic computer at the MGU computer center. ✓

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Based on a set of graphs (Figure 4), the authors arrived at the following conclusions: 1) The dependence $F_2(D)$ will be more apparent if $\beta = 3$ and will be less noticeable, if $\beta = 15$. This shows that a field disturbance close to the cathode has a stronger influence on the electron path than a disturbance far away from the cathode. 2) All $F_2(D)$ curves intersect each other in one point $F_2 = 9$ if $D = 0$. This value corresponds to the noise factor of the actual traveling wave tube under consideration in absence of the disturbing field. 3) A change of the parameter γ has little influence on the shape of the curve $F_2(D)$ if $\beta = 3$ and $\gamma = 5$, i.e. in that case in which the field is disturbed sufficiently close to the cathode plane ($x = 0$). 4) In case $\beta = 3$, $\beta = 5$ for all γ and in case $\beta = 10$ for $\gamma = 0.01$, which corresponds ✓

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to a sufficiently sloping field disturbance curve, $F_2(D)$ has a minimum close to the value $F_2(0) = 9$. This means that in the actual tube being examined a field disturbance will lead to a higher noise factor. In regard to the field shape, the tube is practically at its optimum. This conclusion is in agreement with the results in R.C. Knechtly's and W.R. Beam's paper /Ref 217/. These authors confirm that the field distribution as shown in Figure 1 is the most favorable one from the viewpoint of low noise. The even potential increase within the electron gun from the cathode to the helix is a characteristic feature of this field. The authors review a number of papers dealing with the calculation of the noise factor F. They mention especially A.S. Tager's paper /Ref 177/ in which numerous papers of foreign scientists were reviewed. In addi-
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The Influence of the Shape of the Electrostatic Field in an Electron Gun on the Noise Factor of a Traveling Wave Tube

tion S.D. Gvozdover's and B.M. Tsarev's book /Ref 2,567/ and S.K. Lesota's paper /Ref 267/ are mentioned. The publication of this paper was recommended by the Kafedra radiotekhniki (Radio Engineering Department) of the Moskovskiy ordena Lenina gosudarstvennyy universitet imeni M.V. Lomonosova (Moscow - Order of Lenin - State University imeni M.V. Lomonosov). There are 2 sets of graphs, 2 graphs and 36 references, of which 5 are Soviet and 31 English.

SUBMITTED: November 14, 1957, and after re-working, February 4,
1959

✓

Card 5/5

1. VASIL'YEV, V. M.; SHRAG, V. I.
2. USSR (600)
4. Irrigation
7. Saturation irrigation. P. P. Masharov. Reviewed by V. M. Vasil'yev, V. I. Shrag. Pochvovedenie, no. 4, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

VASIL'YEV, V.M., inzhener.

Quality improvement of agricultural machinery. Standartizatsiya no.3:
(MLRA 7:6)
32-35 My-Je '54.

1. Upravleniye po standartizatsii.
(Agricultural machinery)

VASIL'YEV, V.M., inzhener

Improving the quality of agricultural machinery. Standartizatsiia
no.1:66-69 Ja-F '55.

(MLRA 8:6)

1. Komitet standartov, mer i izmeritel'nykh priborov.
(Agricultural machinery--Standards)

VASIL'YEV, V.M., inzhener

Standardization and improvements in agricultural technology.
Standartizatsiia no.3:3-8 My-Je '55. (MIRA 8:10)

1. Komitet standartov, mer i izmeritel'nykh priborov pri Sovete
Ministrov SSSR
(Agricultural machinery--Standards)

VASIL'YEV, V.M.
LOZOVOY, V.I., inzh.; VASIL'YEV, V.M., inzh.

Mechanizing labor consuming operations in Soviet agriculture. Mekh.
trud. rab. 11 no.12:16-17 D '57.
(MIRA 11:3)
(Agricultural machinery industry)

ANTYSHEV, P.I.; VASIL'IEV, V.M.; ZHARKOV, V.P.; LOZOVOY, V.I.; POPOV,
N.I.; PUZANOV, V.S.; PUZYAKOV, V.A.; SMIRNOV, N.I.; SOLODENIKOV,
V.N.; YUR'IEV, G.I.; KRYUKOV, V.L., red.; PEVZNER, V.I., tekhn.red.

[Agricultural machinery in the seven-year plan] Sel'skokhoziaistven-
naya tekhnika v semiletke. Moscow, Gos.izd-vo sel'khoz.lit-ry, 1959.
(MIRA 13:10)

94 p.

(Agricultural machinery)

VASIL YEV, V.M.

USSR/Miscellaneous - Construction work

Card : 1/1 Pub. 106 - 8/9

Authors : Vasilyev, V. M., Engineer

Title : Movement of concrete mixture over concrete feeding line

Periodical : Stroi. prom. 7, 42 - 44, July 1953

Abstract : The rate of motion of concrete mixtures fed through concrete feeding lines, and the effect of the rate of motion on the thickness and strength of the concrete, are discussed. Illustrations; diagrams.

Institution : ...

Submitted : ...

VASIL'YEV, V.M., inzhener.

Flow of a concrete mix through a pipeline. Gidr.stroi. 22 no.7:25-26
(MLR 6:7)
Jl '53. (Concrete)

VASIL'YEV, V.M., inzhener.

Movement of ready-mixed concrete in the ducts of concrete placers. Stroi.
(MLRA 6:8)
prom. 31 no. 7:42-44 Jl '53.
(Concrete construction)

VASIL'YEV, V.M., inzhener.

Experience in using the S-267 vibrating concrete feeder.
(MLRA 7:2)
Gidr.stroi.23 no.1:23 '54.
(Concrete construction) (Building machinery)

VASIL'YEV, Y.M., inzhener.

Concrete pump capacity and ways of increasing it. Gidr.stroi. 23 no.3:
(MIRA 7:6)

20-23 '54.
(Concrete construction) (Pumping machinery)

VASIL'YEV, V.M., inzhener.

Composition of concrete mixtures transported by concrete pumps.
Stroi.prom. 32 no.9:25-26 S '54. (MLRA 7:11)
(Concrete)

VASIL'YEV, V.M.

Some programs for interpolation and numerical differentiation of
single-variable functions. Vych. met. i prog. 1:306-310 '62.
(Functional analysis) (Programming (Mathematics))

YUSUPOV, E.G., inzh.; MARKOV, A.Ya., inzh.; VASIL'YEV, V.M., inzh.

Automatically controlled quick-freezer plants. Sudostroenie
28 no.6:27-29 Je '62. (MIRA 15:6)
(Refrigerator ships) (Automatic control)

L 1648-6 EMT(d)/EMP(v)/EMP(k)/EMP(h)/EMP(l) DIP(c) EC

ACCESSION NR: AP5021634

UR/0286/65/000/013/0117/0117

AUTHORS: Tolkachev, V. Yu.; Yevtushenko, I. N.; Pelikh, Yu. V.; Vasil'yev, V. M.

TITLE: Device for remote-controlled transmission on measured parameters. Class
74, No. 172659 22B

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 117

TOPIC TAGS: remote control, information readout

ABSTRACT: This Author Certificate presents a device for remote-controlled transmission of measured parameters. The device contains primary parameter detectors, an intermediate storage, pulse shapers, a synchronous-cophased readout system, a communication line, and a receiving unit with a synchronous-cophased readout and register system. To simplify the design of the intermediate storage, electrical (electrochemical) current integrators are used (see Fig. 1 on the Enclosure). The integrator inputs are connected to the primary measured parameter detectors, and the outputs are connected to the intermediate storage units. Orig. art. has: 1 diagram.

ASSOCIATION: none

Card 1/3

L 1648-66

ACCESSION NR: AP5021634

SUBMITTED: 21Nov62

NO REF SOV: 000

ENCL: 01

SUB CODE: EC, DP

OTHER: 000

Card 2/3

L 1648-46

ACCESSION NR: AP5021634

ENCLOSURE: 01

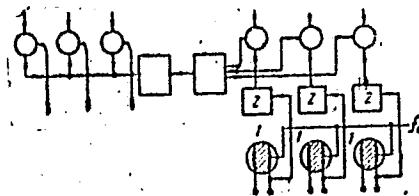


Fig. 1. 1- electrolytic (electrochemical)
current integrators; 2- intermediate
storage units

Card 3/3 AP

VASIL'YEV, V.M.

New method for determining the curvature of mutually enveloping surfaces. Teor. mash. i mekh. no.103/104:93-102 '64.
(MIRA 17:11)

L 09333-67

ACC NR: AP6029523

SOURCE CODE: UR/0432/66/000/004/0059/0061

AUTHOR: Vasil'yev, V. M.; Yevtushenko, I. N.; Pelikh, Yu. V.; Privalov, L. N.;
Tolkachev, V. Yu. (Candidate of technical sciences) 55

ORG: None

TITLE: An arrangement for remote-controlled selection

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 4, 1966, 59-61

TOPIC TAGS: computer circuit, computer control system, computer center, data processing,
signal coding, telemetring
ABSTRACT: A description of a telecontrolled selector system devised by the Zaporozhskiy Branch of the Institute of Automation is presented. It is designed for selection of sampled signals of telemetering and coding types. The system consists of a main control center connected by many communication lines to various branch centers as shown in a diagram. The branch decoding selectors are controlled from the center by means of binary codes. The collected data are transmitted from the branches through the intermediate storage to the central storage memory matrices. The central selector circuit composed of ferrite-diode elements is fed from a pulse source of 30 kc. The circuit arrangement is shown in a diagram including diodes, a dynamic flip-flop, a coincidence cell and a repeater. The control of gate pulses and their frequencies (rated at 468 cycles) is explained. The arrangement of the branch-center circuits is also diagrammatically illustrated.

UDC: 621.398

Card 1/2

L 09333-67

ACC NR: AP6029523

trated. The basic element of this circuit is a decoding selector of magnetic type. Being also equipped with ferrite diodes, memory storage cells and other elements the circuit has an output that can reach a number of 512. The processes of collecting and transmitting data by means of flip-flops and blocking oscillators are discussed. The main control center is connected by means of multichannel telephone cables to 16 branch centers. The total capacity of the system is rated at 2048 binary signals. The arrangement was successfully applied to industrial processes at the Zaporozhskiy Refractory Materials Plant. Orig. art. has: 3 diagrams.

SUB CODE: 09/ SUBM DATE: None/ ORIG REF: 004

Card 2/2 mle

VASILEV, V. M.
ZHOGOLEV, Yevgeniy Andreyevich; ROSLYAKOV, Gennadiy Stepanovich;
TRIFONOV, Nikolay Pavlovich; SHURA-BURA, Mikhail Romanovich,
prof.. Prinimali uchastiye: VASIL'YEV, V.M., sotrudnik;
YERSHOVA, N.M., sotrudnik. BEZBOHODOV, Yu.M., red.; AKHLLAMOV,
S.N., tekhn.red.

[System of standard subroutines] Sistema standartnykh pod-
programm. Pod red. M.R.Shura-Bura. Moskva, Gos.izd-vo fiziko-
matem.lit-ry, 1958. 230 p.
(MIRA 12:3)

1. Vychislitel'nyy tsentr Moskovskogo gosudarstvennogo universi-
teta (for Vasil'yev, Yershova).
(Programming (Mathematics)) (Electronic calculating machines)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0

VISIBILITY, V...

Automobiles were seen driving on highway to river or the
water over bridge. 1000 ft. scale. 1:75-50 '51. (L.L. 14:2)
(near Kilometer 100, 1000 ft. survey)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0"

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0

VASIL'YEV, V.I., Sov.

Novosti - 1 Drill. Draft. 4 col'kozach. no.7:47 J1 '58.

(ILL. 12:11)

(Drill (Agricultural implement))

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0"

SMOLIN, V.A.; KRASHENINNIKOV, I.S.; LYAPOROV, V.M.; VASIL'IEV, V.M.

Readout operation in the AI-100-1 analyzer. Mnogokan. izm. sist.
v iad. fiz. no.5:187-190 '63. (MIRA 16:12)

MARKOV, A.Ya., inzh.; VASIL'YEV, V.M., inzh.

Selecting productive capacity for compressors used in filling
actuating air tanks of marine internal combustion engines.
Sudostroenie 24 no.10:31-32 O '58. (MIRA 11:12)
(Air compressors) (Marine diesel engines)

VASIL'YEV, V.M.

Vibration damping devices for rock drills. Biul.tehn.eksp.inform.
Gos.nauch.-issl.inst.nauch.i tekhn.inform. 17 no.7-16-17 Jl '64.
(MIRA 17-10)

BORISOVA, A.G.; VASIL'YEV, V.N.; VASIL'CHENKO, I.T.; KIRPICHNIKOV, M.E.;
LEONOVA, T.G.; LIPSHITS, S.Yu.; TSVELEV, N.N.; CHEREPANOV, S.K.;
SMISHKIN, B.K. [deceased]; BOEROV, Ye.O., prof. doktor biol.nauk,
red. tomn.

[Cichorioideae.] Cichorioideae. Moskva, Izd-vo Nauka, 1964. 796 p.
(Flora SSSR, vol.29) (MIRA 18:2)

VASIL'YEV, Viktor Nikolayevich: TOLMACHEV, A.I., prof., otd.red.;
BELKINA, M.A., red.izd-va; BOCHEVER, V.T., tekhn.red.

[The genus Empetrum] Rod Empetrum. Moscow, Izd-vo Akad.nauk
SSSR, 1961. 131 p.
(Crowberry)

IL'IN, M.M., prof.; VASIL'YEV, V.N., prof.; GOFMAN, M.S., tekhn. red.

[Problems of phylogeny and phylogenesis; a chronicle] Problemy filogenii i filogeneza; khronika. Sost. M.M. Il'in. Leningrad, Vses. botanicheskoe ob-vo, 1960. 85 p. (MIRA 14:10)

1. Soveshchanie po filogenii rasteniy, 5th, 1958.
(Phylogeny (Botany))

VASIL'YEV, V.N.

Recent data on *Betula litwinowii* Doluch. Bot. zhur. 45 no.11:1699-
1700 N '60. (MIRA 13:11)

I. Botanicheskiy institut imeni V.L.Komarova Akademii nauk SSSR,
Leningrad. (Birch)

62/49T40

VASIL'YEV, V. N.

USSR/Medicine - Larch
Medicine - Botany

Jul/Aug. 48

"Review of N. V. Dylis' Book, 'Siberian Larch,'"
V. N. Vasil'yev, Bot Inst imeni V. L. Komarov,
Acad Sci USSR, Leningrad, 2 pp

"Botan Zhur" Vol XXXIII, No 4

Very favorable review of subject book, a comprehensive work on classification, geography, and history of the Siberian larch. Ability of the L. dahurica to exist in permafrost soil makes it extremely important in the process of conquering the territory of Eastern Siberia.

62/49T40

VASIL'YEV, V. N.

Vasil'yev, V. N. - "On the classification of the genus of Puccinellia Parl. in the Far East," Botan. materialy Gerbariya Botan. in-ta im. Komarova Akad. nauk SSSR, Vol. XI, 1949, p. 48-51

SO: U-4934, 29 Oct 53, (Letopis 'Zhural 'nykh Statey, No. 16, 1949).

Compilers: VASIL'YEV, V. N.; GORSHKOVA, S. G.; ILIN, M. M.; KLOKOV, M. V.; MALEYEV, V.P.; MURAV'YEV, O. A.; POBEDIMOVA, Ye. G.; FOYARKOVA, A. I.; PROKHANOV, Ya. I.; SHISHKIN, B. K.; SHTEYNBERG, Ye. I.; YUZEPCHUK, S. V.; AFANAS'YEV, K. S.; BORISOVA, A. G.; KOMAROV, V. L. (Acad.)

Flora of the USSR, Vol 15, Moscow-Leningrad, 743 pp., 1950

Book W-22202, 7 Apr 52

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0

VASIL'EV, V.N.

Family Oleaceae with the exception of the genus Olea. Flora SSSR 18:483-
512; 516-525 '52.
(MLRA 6:5)
(Oleaceae)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0"

VASILYEV V N S

600

1. VASIL'YEV, V. N.
2. USSR (600)
4. Paleobotany - Pliocene
7. Recently unearthed species of the genus Trapa L., Bot Zhur 37, No. 2, 1952. Botanicheskiy Institut im. V. L. Komarova Akademii Nauk SSSR Lenin-grad.
9. Monthly List of Russian Accessions, Library of Congress, August, 1952.
Unclassified.

VASIL'YEV, V.N.

New species of club moss (*Lycopodium*) in the flora of the
U.S.S.R. Bot.mat.Gerb. 15:24-27 '53. (MLRA 7:2)
(Club mosses)

VASIL'YEV, V.N.

Notes on the classification and geography of the genus *Polemonium* L.
Bot. mat. Gerb. 15:214-228 '53.
(MLRA 7:2)
(Polemoniaceae)

VASIL'YEV, V.N.

New species of Roegneria in northeastern Asia. Bot.mat.
Gerb. no.16:56-58 '54. (MLRA 8:9)
(Asia--Grasses)

VASIL'YEV, V.N.

Species as a geographical phenomenon. Bot. zhur. 39 no.3:380-393
May-June '54.
(MLRA 7:7)

1. Botanicheskiy institut im. V.L.Komarova Akademii nauk SSSR,
Leningrad.
(Phytogeography) (Botany--Variation)

VASIL'YEV, V.N.

Climatic conditions of Eastern Siberia during the Pleistocene.
Trudy Kom.chetv.per.12:22-53 '55. (MLRA 9:4)

(Siberia, Eastern--Paleoclimatology)(Siberia, Eastern--Paleobotany)

ZOLOTAREV, M.A.; PIDOPLICHKO, I.C.; FEDOROV, P.V.; VASIL'YEV, V.N.; IVANOVA, I.K.; GROMOV, V.I.; SOKOLOV, D.S.; ZHIRMUNSKIY, A.M.; PARMUZIN, Yu.P.; PLYUSNIN, I.I.; KATS, N.Ya.; GRICHUK, V.P.; YEFREMOMOV, Yu.K.; MOSKVITIN, A.I.; LEBEDEV, V.D.; TEODOROVICH, G.I.; ZVORYKIN, K.V.; MIKHNOVICH, V.P.; GALITSKIY, V.V.; MAKEYEV, P.S.; NIKIFOROVA, K.V.; GORDEYEV, D.I.; YANSHIN, A.L.; DIMITRASHKO, N.V.; SHANTSER, Ye.V.; PIYAVCHENKO, N.I.; FLEROV, K.K.; PIDOPLICHKO, I.G., dokter biologicheskikh nauk, professor.

Papers presented at the conference on the history of Quaternary flora and fauna in relation to the development of Quaternary glaciation.
Trudy Kom.chetv.per. 12:129-189 '55. (MIRA 9:4)

1.Gidrometeorologicheskaya sluzhba (for Zolotarev).2.Zeologicheskiy institut AN USSR (for Pidoplichko).3.Institut okeanologii AN SSSR (for Fedorov).4.Batanicheskiy institut AN SSSR (for Vasil'yev).5.Komissiya po izucheniyu chetvertichnogo perioda AN SSSR (for Ivanova).6.Institut geologicheskikh nauk AN SSSR (for Gromov, Yanshin, Nikiforova, Moskvitin).7.Moskovskiy geologo-ravvedochnyy institut imeni Ordzhonikidze (for Sokolov).8.Akademiya nauk Belorusskoy SSR (for Zhirmunskiy).9.Moskovskiy institut inzhenerov vodnogo khozyaystva (for Plyusnin).10.Geograficheskiy fakultet Moskovskogo gosudarstvennogo universiteta (for Yefremov, Parmuzin).11.Moskovskiy gosudarstvennyy universitet (for Lebedev, Zvorykin).12.Institut nefti AN SSSR (for Teodorovich).13.Transproektkar'yer Ministerstva putey soobshcheniya (for Mikhnovich).14.Vsesoyuznyy aerogeologicheskiy trest (for Galitskiy).15.Sovet po izucheniyu proizvoditel'nykh sil AN SSSR (for Makeyev).

(Continued on next card)

ZOLOTAREV, M.A.----(continued) Card 2.

16.Laboratoriya gidro-geologicheskikh problem AN SSSR (for Gordeyev).
17.Institut geografii AN SSSR (for Dunitrashko, Grichuk).

(Paleontology) (Paleobotany) (Glacial epoch)

VASIL'YEV, V.N.

New pondweed species from the Chukot National Area. Bot.mat.Gerb.
17:45-46 '55. (MLRA 9:5)
(Chukot national area--Pondweed)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0

VASIL'YEV, V.N.

New species of the genus *Arctagrostis* Griseb. Bot. mat. Gerb.
17:47-56 '55. (MLRA 9:5)
(Grasses)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0"

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0

VASIL'YEV, V.N.

New species of the genus *Picris* L. Bot.mat.Gerb. 17:455-460 '55.
(*Picris*)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0"

VASIL'YEV, V.N.

"History of the origin and development of the dark coniferous taiga." A.I.Telmachev. Reviewed by V.N.Vasil'ev. Bot.zhur.40 no.5:743-747 S-O '55. (MLRA 9:4)

1.Botanicheskiy institut imeni V.L.Kemareva Akademii nauk SSSR, Leningrad.

(Taiga) (Telmachev, A.I.)

VASIL'YEV, V. N.

249N/5
631.42
V3

RASTITEL'MOST' ANADYRSKOGO KRAYA (VEGETATION OF THE ANADYR REGION)
MOSKVA, IZD-VO AKADEMII NAUK SSSR, 1956.

218 P. ILLUS., MAP, TABLES.

AT HEAD OF TITLE: AKADEMIYA NAUK SSSR. BOTANICHESKIY INSTITUT.

"LITERATURA": P. (204)-297.

IL'IN, M.M., professor, redaktor; VASIL'YEV, V.N., professor, otvetstvennyy
redaktor; LOZINA-SOZINSKAYA, A.S., redaktor izdatel'stva; KRUGLIKOVА,
tekhnicheskiy redaktor

[Useful plants of the U.S.S.R.] Rastitel'noe syr'e SSSR. Pod obshchey
red. M.M. Il'ina. Moskva, Vol.2. [Plants usable in their natural state]
Natururnye rasteniia. 1957. 581 p. (MIRA 10:3)

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(Botany, Economic)

VASIL'YEV, V.N.

VASIL'YEV, V.N.; IL'IN, M.M., otvetstvennyy red.; TVERITINOVA, K.S.,
tekhn.red.

[Flora and paleogeography of the Komandorski Islands] Flora i
paleogeografiia Komandorskikh ostrovov. Moskva, Izd-vo Akad.
nauk SSSR, 1957. 259 p. (MIRA 11:1)
(Komandorskiye Islands--Paleobotany)

VASIL'YEV, V.N.

History of the flora and vegetation of central Yakutia. Zemlevedenie
4:199-207 '57. (MIRA 10:9)
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A new birch species from central Siberia. Bot. mat. Gerb. 18:73-76
'57.
(MLRA 10:6)
(Baikal region--Birch)

VASIL'YEV, V.N.

Disjunct and continuous areas. Bot. zhur. 42:709-727 My '57.
(MLRA 10:6)
1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR,
Leningrad.
(Phytogeography)

VASIL'YEV, V.N.

"Feeds and pastures of the reindeer" by G.I.Karev. Reviewed by
V.N.Vasil'ev. Bot.zhur. 42 no.10:1518-1519 O '57. (MIRA 10:10)

1. Botanicheskiy institut im.V.L.Komarova AN SSSR, Leningrad.
(Russia, Northern--Reindeer--Feeding and feeding stuffs)
(Karev, G.I.)

SUKACHEV, V.N., akad., glavnyy red.; VASIL'YEV, V.M., prof. doktor biol. nauk,
otv. red.; IL'IN, M.M., prof., doktor biol. nauk, otv. red.;
KRISHTOFOVICH, A.N., red., [deceased]; TIKHOMIROV, B.A., red.;
TOLMACHEV, A.I., red.; FEDOROV, An. A., red.; SEMENOVA-TYAN'SHAN'SKAYA,
A.M., red. izd-va.; PEVZNER, R.S., tekhn. red.

[Materials on the history of the flora and vegetation of the
U.S.S.R.] Materialy po istorii flory i rastitel'nosti SSSR.
Moskva. No. 3. 1958. 479 p. (MIRA 11:11)

1. Akademiya nauk SSSR. Botanicheskiy institut.
(Botany)

IL'IN, M.M., otvetstvennyy red.; SHUKHOBODSKIY, B.A., otvetstvennyy red.;
VASIL'YEV, V.N., prof., red.; PIGULEVSKIY, G.V., prof., red.;
SOKOLOV, V.S., prof., red.; FEDOROV, A.A., prof., red.;
BRUKINA, M.A., red. izd-va; PEVZNER, R.S., tekhn. red.

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resursov SSSR. Moskva, 1958. 510 p. (MIRA 11:9)

1. Akademiya nauk SSSR. Botanicheskiy institut.
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VASIL'YEV, V.N.

With regard to an erroneous article by K.P. Solov'ev and A.A.
TSymek. Bot. zhur. 43 no.6:904 Je '58. (MIRA 11:?)

l. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR,
Leningrad.

(Soviet Far East--Trees)
(Solov'ev, K.P.) (TSymek, A.A.)

TOLMACHEV, A.I.; VASIL'YEV, V.N.; FEDOROV, Al.A. IL'IN, M.M.

The correct spelling of the Russian name of the genus *Larix*.
Bot. zhur. 43 no.8:1233-1234 Ag '58. (MIRA 11:9)
(Larch) (Plant names, Popular)

VASIL'YEV, V.N., Cand Agr Sci -- (diss) "Study of varieties
and the choice of initial forms for the
selection of apple tree's ^{in forest} ~~for the timber~~ steepe zone of
Novosibirskaya Oblast." Omsk, 1959, 24 pp (Authors' ~~reports~~
of ~~dissertations~~ ^{Author's} presented at the Omsk Agr Inst im S.M. Kirov)
120 copies (KL, 33-59, 119)

- 44 -

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0

VASIL'YEV, V.N.

Notes on systematics of the genus Betula L. Bot.mat.Gerb.
19:89-95 '59. (MIRA 12:8)
(Birch)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0"

VASIL'YEV, Viktor Nikolayevich; IL'IN, M.M., prof., doktor biolog.nauk,
otv.red.; VIKHREV, S.D., red.izd-va; BOCHEVER, V.T., tekhn.red.

[Water chestnut and outlook for its cultivation in the U.S.S.R.]
Vodianoi orekh i perspektivy ego kul'tury v SSSR. Moskva, Izd-vo
Akad.nauk SSSR, 1960. 99 p.
(Water chestnut)

VASIL'YEV, V. N.

"On the systematic position of Hemitrapa and some other fossil
Trapa" and "Evolution of Trapa from ancestral Lythrum through
Hemitrapa". Reviewed by V.N. Vasil'ev. Bot. zhur. 45 no.5:772-
774 My '60. (MIRA 13:7)
(Japan--Water chestnut, Fossil)

VASIL'YEV, V.N.

"Systematics of the genus *Fraxinus* L." by A.A. Abdurakhmanov.
Reviewed by V.N.Vasil'ev. Bot.zhur. 45 no.7:1079-1080 J1
'60. (MIRA 13:?)

1. Botanicheskiy institut im. V.L.Komarova Akademii nauk SSSR,
Leningrad.

(Ash (Tree))
(Abdurakhmanov, A.A.)

VASIL'YEV, V.N.; NEKRASOVA, V.L.

M.M.Il'in; on his 70th birthday and 45th anniversary of scientific
activities. Bot. zhur. 45 no.11:1706-1711 N '60. (MIRA 13:11)

l. Botanicheskiy institut imeni V.L.Komarova Akademii nauk SSSR,
Leningrad.
(Il'in, Modest Mikhailovich, 1889-)

VASIL'YEV, V.N. [Vasil'iev, V.M.]

Concerning M.V.Klokov's article "Critical study of higher plants
of the flora of the Ukrainian S.S.R. and its methodological basis.
Ukr. bot. zhur. 18 no.5:97-98 '61.
(MIRA 17:2)

VASIL'YEV, V.N.

New and little-known species of the genus Leontodon L. in the
flora of the U.S.S.R. Bot. mat. Gerb. 21:397-401 '61. (MIRA 14:10)
(Carpathian Mountains--Hawkbit)

VASIL'YEV, V.N.

Migration hypotheses and the formation of species. Bot. zhur.
46 no.11:1584-1601 N '61. (MIRA 15:2)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR,
Leningrad.

(Plants--Migration)

ABRAMOV, V.A.; RUMYANTSEV, A.F.; CHAYKIN, P.I.; ABATURIN, L.V.;
GAVRILOV, V.I.; ALTAYSKIY, I.P.; KAVINSKIY, A.Ye.;
SUKACH, A.F.; VASIL'YEV, V.N.; OBOLENSKIY, K.P.;
SAVEL'YEV, V.A.; RUSAKOV, G.K.; IVANOV, F.G.; POLYAKOVA,N.,
red.; MUKHIN, Yu., tekhn.red.

[Economics of agricultural enterprises] Ekonomika sel'sko-khoziaistvennykh predpriiatii; uchebnoe posobie. Izd.2., dop. Moskva, Politizdat, 1963. 527 p. (MIRA 17:1)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

(Agriculture--Economic aspects)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0

VASIL'YEV, V.N.

Material on the taxonomy of Siberian birches. Bot.mat.Cerb. 22:79-93
'63. (MIRA 17:2)

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SUKACHEV, V.N., akademik, glav. red.; VASIL'YEV, V.N., otv. red.;
TOLMACHEV, A.I., otv. red.

[Materials on the history of the flora and vegetation of
the U.S.S.R.] Materialy po istorii flory i rastitel'nosti
SSSR. Moskva, Izd-vo AN SSSR. No.4. 1963. 587 p.
(MIRA 17:4)

1. Akademiya nauk SSSR. Botanicheskiy institut.

VASIL'YEV, V.N.

New Central Asiatic species of birch. Bot. zhur. 48 no.6:
903-905 Je '63. (MIRA 17:1)

l. Botanicheskiy institut imeni V.L. Komareva AN SSSR, Lenin-
grad.

VASIL'YEV, V. N.

Populations and their role in the life of species. Bot. zhur.
48 no. 3:341-349 Mr '63. (MIRA 16:4)

1. Botanicheskiy institut imeni V. L. Komarova AN SSSR,
Leningrad.

(Plant populations)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0

VASIL'Y V., R.S.F.S.R.

Origin of Siberian pine in Northwestern Russia. Sov. Vses. geog.
ob.-va 96 no.4:345-352 Jl--ig 1941.

(MIRA 27:10)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0"

VASIL'YEV, V.N.

Birches of the section Fruticosae (Regel) V. Vanil.
Bot. zhur. 50 no.12:1731-1733 D '65. (MIRA 19:2)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

10

CA

Reaction of ethylene oxide with salts of alkyl- and aryl-
arsonous acids. V. K. Kuskov and V. N. Vasil'ev. *Zhur.*
Osnovy Khim. (J. Gen. Chem.) 21, 90-2 (1951). - Heating
20.5 g. MeAsO with 28.1 g. KOH in 100 ml. H₂O until dis-
solved, cooling to room temp., passing ethylene oxide into
the soln. until 12 g. gain in wt. is reached, letting stand 12
hrs., dilg. with 200 ml. H₂O, acidifying with 10% H₂SO₄,
filtering, evapg. (finally with C₂H₅), and extg. with 150 ml.
abs. EtOH gave 25 g. crude HOCH₂CH₂AsMe(O)OH, an oil
that decomps. on heating. Soln. in H₂O with a little KI
and satn. with SO₂ (finally at 50°), letting stand 12 hrs., and
evapg. gave 23 g. oily (HOCH₂CH₂AsMe)₂O, which with
40 g. SOCl gave 52 g. ClCH₂CH₂AsMeCl, b. 60-1°, hy-
drolyzed by H₂O to the oxide, while aq. NaOH yields C₂H₅
and MeAs(ONa)₂. Similar series of reactions gave 21%
ClCH₂CH₂AsEtCl (undescribed); the Ph analog was also
prepd. but could not be distd. without decomprn. Ph₂AsO
however, failed to react. G. M. Kosolapoff

V. N. Vasil'yev
USSR/Chemistry - Physical chemistry

Card 1/1 Pub. 22 - 32/52

Authors : Vasilyev, V. N.; Yelovich, S. Yu; and Margolis, L. Ya.

Title : The reaction mechanism for the oxidation of CO over active MnO₂

Periodical : Dok. AN SSSR 101/4, 703-706, Apr 1, 1955

Abstract : The oxidation reaction of CO over active MnO₂ was investigated at a low temperature of 20°, and low static pressures. The preparation for the reaction, the apparatus and the process in itself are described. An analysis of the isotopic data obtained shows that the CO, regardless of the low test pressures, interchanges with the surface of the MnO₂ and that this isotopic exchange is governed by the law of first order. The exchange of CO with MnO₂ during their reaction at 20° was found not to depend upon the nature of the contact surface. The exchange was different than the exchange without a reaction. Nine references: 7 USSR, 1 USA and 1 English (1923-1954). Table; graphs.

Institution : Acad. of Sc., USSR, Institute of Phys. Chem.
Presented by : Academician A. N. Frumkin, November 6, 1954

VASILYEV, V. N.

USSR/Chemistry - Electrochemistry

Card 1/1 Pub. 22 - 34/54

Authors : Frumkin, A. N., Academician; Kaganovich, R. I.; Gerovich, M. A.; and
Vasilev, V. N.

Title : The mechanism of anodic formation of persulfates

Periodical : Dok. AN SSSR 102/5, 981-983, Jun 11, 1955

Abstract : Sulfate electrolysis experiments were carried out in water enriched with the heavy O¹⁸ isotope, in alkali and weak acid electrolyte at possibly low temperatures to establish the condition most favorable for the anodic formation of persulfates. The results indicate that the first product formed on the anode is an oxygen-containing water-oxidation compound OH which in turn oxidizes the SO₄²⁻ ion within the volume of the solution. Seven references: 3 USSR, 3 USA and 1 German (1922-1954). Table.

Institution : Acad. of Sc., USSR, Inst. of Phys. Chem. and the M.V.Lomonosov State University, Moscow

Submitted : April 11, 1955

VASIL'YEV, V.N.

✓1226

STUDY OF ISOTOPIC EXCHANGE OF OXYGEN BETWEEN
HEAVY OXYGEN WATER AND CERTAIN TUNGSTATES.
V. I. Spitayn, R. I. Aistova, and V. N. Vasilev. (Inst. of
Physical Chemistry). Doklady Akad. Nauk S.S.R. 104,
741-3(1955) Oct. 11. (In Russian)

Water-O¹⁸ was used in the investigation of the sodium paratungstate Na₁₀W₁₂O₄₁·28H₂O structure. The results proved that in normal tungstate and in sodium paratungstate all the oxygen atoms are accessible for isotopic exchange of oxygen with water as solvent. During the exchange, the enrichment of paratungstate anion by heavy oxygen isotopes was observed, while in the normal tungstate ion no such phenomenon occurred. This indicates that the fractionation of oxygen isotopes depends not only on the mass of the hydrated elementary ions, but also, on the complex ion mass present in the solvent. (R.V.J.)

62

VASIL'YEV, V.N.; GROMOVA, A.A.; KAPYAIN, Yu.V.; TIKHIN, G.F.

Studying viscosity at increased temperatures. Nauch.-tekhn. sbor.
po dok. nefti no.22:55-57 '64. (MIRA 17:9)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.

L 25554-65A) EVT(1)/EWA(h)

ACC NR: AM6004739

Monograph

UR/

43

BII

Vasil'yev, V. N.; Slobodenyuk, G. I.; Trifonov, V. I.; Khotuntsev, YU. L.

Regenerative semiconductor parametric amplifiers; some problems of theory and design
 (Regenerativnyye poluprovodnikovyye parametricheskiye usiliteli; nekotoryye voprosy
 teorii i rascheta) Moscow, Izd-vo "Sovetskoye radio", 1965. 447 p. illus., biblio.
 Errata slip inserted. 10,500 copies printed.

TOPIC TAGS: parametric amplifier, solid state amplifier, millimeter wave amplifier,
 amplifier design

PURPOSE AND COVERAGE: The book contains the theory of regenerative semiconductor parametric amplifiers, developed on the basis of the theory of linear networks, and is intended for scientific and engineering-technical workers engaged in the investigation and development of parametric systems, and also for students in higher institutions of learning as a text for the course on "Theoretical Principles of Radio Engineering." The subjects covered are the various amplifier parameters, different methods of tuning parametric amplifiers, stability of the phase and frequency characteristics of a parametric amplifier, the operating features of multifrequency parametric amplifiers, and questions involved in the electrodynamic calculations and the choice of the amplifier parameters. The book contains in the form of appendices some additional data and calculations dealing with particular problems touched upon in the main text. Chs. I, VI, and VII and Secs. 1 and 2 of Ch. II, Secs. 1, 3, and 4 of Ch. III, and Appendices I, IV, and V were written by G. I. Slobodenyuk; Ch. IV, Secs. 2 and 5 of Ch. III, Secs. 1, 2, and 3 of Ch. V, and Appendices II, III, and VI were

UDC: 621.375.93

Card 1/2

L 2554-66

ACC NR: AM6004739

written by YU. L. Khotuntsev; Sec. 3 of Ch. II and Sec. 4 of Ch. V were written [jointly by G. I. Slobodenyuk and YU. L. Khotuntsev; Ch. VIII was written by V. I. Trifonov; and Chs. IX, X, and XI were written by V. N. Vasil'yev.

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ACC NR: AP6035633

SOURCE CODE: UR/0089/66/020/005/0429/0430

AUTHOR: Alekseyev, A. G.; Barkovskiy, V. N.; Basargin, Yu. G.; Vasil'yev, V. N.; Litunovskiy, R. N.; Minyaev, O. A.; Nikolayev, V. N.; Stepanov, A. V.

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B

ORG: none

TITLE: 68.5 cm sector-focused cyclotron

19

SOURCE: Atomnaya energiya, v. 20, no. 5, 1966, 429-430

TOPIC TAGS: cyclotron, deuteron, proton

ABSTRACT: A sector-focusing cyclotron that can deliver protons of 7.5 to 100 Mev and deuterons of 0.5 to 4.0 Mev is described. The acceleration of molecular H_2^+ ions underscores the essential role of the process of proton dissociation. Under certain conditions intrinsic to the sector-focusing cyclotron where the ions achieve several hundred revolutions, this process can interfere with obtaining the intensity of the ion beam at finite energies, if the vacuum in the accelerator chamber is less than 1.10^{-5} mm Hg cm^{-3} . Orig. art. has: 3 figures. (NAY)

SUB CODE: 20 / SUBM DATE: 04 Sep 65 / ORIG REF: 002 / OTH REF: 001

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UDC: 621.384.611

0922 0035

VASIL'YEV, V.N.; YUSHTIN, Ye.I., redaktor; SHAYRAK, Ye.N., redaktor;
~~TRUMKIN~~, P.S., tekhnicheskiy redaktor.

[Safety measures in the shipbuilding industry] Tekhnika bezo-
pasnosti v sudostroitel'noi promyshlennosti. Leningrad, Gos.
sciuznoe izd-vo sudostroit.promysh.1955. 183 p.(MLRA 8:11)
(Shipbuilding--Safety measures)

VASIL'YEV, V.N., inzhener.

Pneumatic hoist for the storage tube of gamma ray source containers.
Sudostreemie 22 no.6:30 Je '56. (MIRA 9:9)
(Hoisting machinery) (Radioactivity--Safety measures)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0

VASIL'YEV, V.N., inzh.

Table for sheet metal gas cutting. Sudostroenie 24 no. 2:57-58 F '58.
(Gas welding and cutting--Equipment and supplies) (MIRA 11:3)

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"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0

VASIL'YEV, V.N., inzh.

Reducing pneumatic hand tool noise. Sudostroenie 24 no. 6:60-61
Je '58. (MIRA 11:8)

(Pneumatic tools--Noise)
(Shipbuilding--Equipment and supplies)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920008-0"

VASIL'YEV, V. N., Engineer

"Selecting the Number of Sluice Chambers." Thesis for degree of Cand. Technical Sci.
Sub 26 Dec 50, Moscow Order of Labor Red Banner Engineering Construction Inst imeni
V. V. Kuybyshev

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering
in Moscow in 1950. From Vechernaya Moskva. Jan-Dec 1950.

VASIL'YEV, V. N., Engineer

"Organization of Complex-Continuous Building in Cities." Thesis for degree of Cand. Technical Sci. Sub 22 Dec 50, Sci Res Inst of Construction Engineering, Acad of Architecture USSR

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernaya Moskva. Jan-Dec 1950.

VASIL'YEV, V.N., kandidat tekhnicheskikh nauk; KUCHEROV, A.I., inzhener,
redakter; BEGAK, B.A., redakter; TOMEK, A.M., tekhnicheskiy
redakter.

[Erecting houses of large concrete blocks] Verzedenie zhilykh i
grazhdanskikh zdanii is krupnykh betonnykh blokov. Moskva, Gos.
izd-vo lit-ry po stroy. i arkhitekture, 1956. 78 p.(MLRA 9:6)
(Precast concrete construction)

BARDYSHEV, A.A., inzh.; VASIL'YEV, V.N., kand. ekon. nauk; VOLKOV, V.G., inzh.; MIKHAYLOV, B.V., kand. tekhn. nauk; MIKHAYLOV, V.A., kand. tekhn. nauk; MIKHAYLOV, V.I., inzh.; PETUNIN, P.I., inzh.; SAVEL'YEV, N.P., inzh.; SOKHIN, V.G., inzh.; STUGAREV, A.S., kand. tekhn. nauk, nauchnyy red.; ZAYCHIKOVA, E.A., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Production of rock, gravel and sand for construction; present state and prospects for development] Proizvodstvo nerudnykh stroitel'nykh materialov; sostoianie i perspektivy razvitiia. [By] A.A. Bardyshev i dr. Moskva, Gosstroizdat, 1962. 201 p.

(MIRA 16:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut nerudnykh stroitel'nykh materialov i gidromekhanizatsii. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut nerudnykh stroitel'nykh materialov i gidromekhanizatsii (for all except Zaychikova, Stugarev, Borovnev).

(Crushed stone industry)
(Sand and gravel industry)

VASIL'YEV, V.N.; LAZUR, G.L.; MALEV, M.K.; SHERMAN, R., red.;
NAGIBIN, P., tekhn. red.

[Pocket manual for tractor drivers] Karmannyi spravochnik
traktorista. Alma-Ata, Kazsel'khozgiz, 1962. 354 p.
(MIRA 16:4)

(Tractors)